

ALARP 2016: RISK MANAGEMENT FOR ENGINEERING

Institution of
**MECHANICAL
ENGINEERS**

28 June 2016
Aston University, Birmingham

More details available at
www.imeche.org/alarp

KEY SPEAKERS INCLUDE:

Paul Stanworth
HM Specialist Inspector of Health and Safety
Hazardous Industries Directorate
Health and Safety Executive

David Forsythe
Head of Nuclear Safety Decommissioning
Sellafield Ltd

Richard Hodges
Senior Engineer
Technical Safety & Process Engineering
SABIC UK Petrochemicals

Reuben McDonald
Head of System Safety
HS2 Ltd

Paul Marks
Safety Case Team Leader - Design Authority
Nuclear New Build EDF Energy

Safety and Reliability Group
Seminar

**BOOK EARLY
AND SAVE
UP TO 15%**

**OFFER ENDS
8 APRIL 2016**
TERMS AND CONDITIONS APPLY

**"This event provided a real
world look at the ALARP
process, and how to put it
into practice."**

NATS

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AND
RELIABILITY
SOCIETY



ALARP 2016: RISK MANAGEMENT FOR ENGINEERING

28 June 2016,
Aston University, Birmingham



HOW LOW IS REASONABLE?

ALARP 2016 is the only event that will bring together thought-leaders across the engineering functions and industries to discuss solutions in risk management.

This must-attend one-day seminar demonstrates how to ensure return on investment so that risk management remains proportionate.

With ALARP cases being examined by regulators for legal and regulatory purposes, understanding best practice and how to prove that ALARP has been properly implemented is key to delivering effective risk management. Join us to explore the various methods of implementing ALARP in different engineering contexts and sectors including rail, oil and gas, power and defence.

KEY TOPICS WILL INCLUDE:

- The consideration of ALARP in the design process of nuclear new builds
- Insights from the Office of Nuclear Regulation (ONR) and the Health and Safety Executive (HSE) on best practice in demonstrating ALARP has been applied correctly
- The implementation of ALARP at design stage in order to reduce risk in an operational rail system from HS2
- A perspective from a Senior Military Officer on maintaining ALARP in a defence engineering environment

BENEFITS OF ATTENDANCE:

- The only ALARP event with technical engineering-specific content
- Engage in specialised round table discussions with other experts and learn from their experiences
- Hear from those implementing ALARP in difficult and complex circumstances, including nuclear decommissioning
- Understand how ALARP is increasingly being applied at design and development stage of key projects, including the HS2 Rail Project and nuclear new builds
- Network with thought-leaders and budget holders across various industries including Rail, Oil and Gas, Power and Defence

ORGANISING COMMITTEE

Safety and Reliability Group
Institution of Mechanical Engineers

MEMBERS CREDITS:

Jeremy Lewis
Safety and Reliability Group
Institution of Mechanical Engineers

Peter Stewart
Technical Director
Hydrock NMCL

Rhys David
Partner
Safety Assurance Services Ltd

Emma Taylor
System Safety Engineer
RSSB

Tim Podesta
S&OR OMS excellence Integration Director
BP International

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OFFER ENDS 8 APRIL 2016

**NETWORK WITH 50+
INDUSTRY PROFESSIONALS**
**TERMS AND
CONDITIONS APPLY**

PROGRAMME

28 JUNE 2016	
08:30	REGISTRATION AND REFRESHMENTS
09:00	CHAIR'S OPENING REMARKS Jeremy Lewis, Safety and Reliability Group, Institution of Mechanical Engineers
	REGULATION AND GUIDANCE
09:10 KEYNOTE	AN INTRODUCTION TO THE CONCEPT OF ALARP FROM THE HEALTH AND SAFETY EXECUTIVE (HSE) Paul Stanworth, HM Specialist Inspector of Health and Safety Hazardous Industries Directorate, Health and Safety Executive
09:35	ALARP FROM THE PERSPECTIVE OF THE OFFICE OF NUCLEAR REGULATION (ONR) Shane Turner, Principal Inspector, Nuclear Safety, Office of Nuclear Regulation
10:00	TAKING SAFE DECISIONS ON THE GREAT BRITISH RAILWAYS Marcus Dacre, Head of Risk, Rail Safety and Standards Board
10:25	RISKS, UNCERTAINTY AND DECISION MAKING: OIL AND GAS GUIDANCE Mike Johnson, Principal Consultant, DNV GL
10.50	QUESTION AND ANSWER SESSION
11.05	NETWORKING REFRESHMENT BREAK
	DESIGN AND STRATEGY
11:35	APPLICATION OF ALARP IN NUCLEAR NEW BUILDS Paul Marks, Safety Case Team Leader – Design Authority, EDF Energy
12:00	SAFELY DESIGNING HIGH SPEED 2: IMPLEMENTING ALARP THROUGH THE PROJECT LIFE CYCLE Reuben McDonald, Head of System Safety, HS2 Ltd
12:25	ALARP FROM A DEFENCE PERSPECTIVE Senior Military Officer, Speaker to be announced
12:50	QUESTION AND ANSWER SESSION
13:05	NETWORKING LUNCH
	IMPLEMENTATION
14:05	A RISK BASED APPROACH TO NUCLEAR SAFETY IN A DECOMMISSIONING ENVIRONMENT David Forsythe, Head of Nuclear Safety Decommissioning, Sellafield Ltd
14:30	DEMONSTRATING ALARP ON AGEING PETROCHEMICAL ASSETS Richard Hodges, Senior Engineer, Technical Safety & Process Engineering, SABIC UK Petrochemicals
14:55	MANAGEMENT OF CIVIL ENGINEERING ASSET RISK IN LONDON UNDERGROUND Brian McGinnity, Head of Civil Engineering and Construction, London Underground
15:20	QUESTION AND ANSWER SESSION
15:35	NETWORKING REFRESHMENT BREAK
16:05	ROUND TABLE SESSIONS <ul style="list-style-type: none"> • What is proportionate ALARP? • Where does responsibility lie within a project, for the application of ALARP? • What are the leading factors which make ALARP difficult to implement? • In what ways can we demonstrate that ALARP is being applied correctly?
17:00	ROUND TABLE FEEDBACK Summary of round table discussions
17:15	CHAIR'S CLOSING REMARKS
17:20	END OF SEMINAR

For the most up-to-date and detailed programme for the event, please visit www.imeche.org/alarp

- This programme is subject to change.
- The Institution is not responsible for the views or opinions expressed by individual speakers.

HOW TO BOOK YOUR PLACE

FEES AND CHARGES

Registration fees include entry to the sessions, refreshments, and a copy of the event proceedings.

Fees and charges	Early Bird Rate Until 8 April 2016	Standard Rate	TOTAL
Standard Rate	£359 + VAT	£429 + VAT	£
Member, Institution of Mechanical Engineers / Supporting Organisation	£299 + VAT	£359 + VAT	£
Student / retired member	£89 + VAT	£99 + VAT	£

THREE WAYS TO BOOK

- 1 Online:
www.imeche.org/alarp
- 2 Email:
eventenquiries@imeche.org
- 3 Phone:
+44 (0)20 7973 1251

Please read the information listed below as each booking is subject to the Institution's standard terms and conditions.

CONDITIONS OF BOOKING

Completed application forms should be returned to the address above, along with the correct payment. Attendance at the event will be confirmed on receipt of the full balance. All participants are advised to bring a copy of their confirmation with them on the day, to ensure the fastest possible entry.

SPECIAL REQUIREMENTS

Please inform us of any special requirements, ie dietary or access, on the relevant section of this form.

CANCELLATION

For a refund (minus £25+VAT admin charge), cancellations must be received at least 30 days prior to the event. Replacement delegates are welcome at any time. The Institution reserves the right to cancel any event. In this case, the full fee will be refunded unless a mutually convenient transfer can be arranged. In the event that the Institution postpones an event for any reason and the delegate is unable or unwilling to attend on the rescheduled date, they will receive a full refund of the fee paid.

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Please note that while speakers and topics were confirmed at the time of publishing, circumstances beyond the control of the organisers may necessitate substitutions, alterations or cancellations of the speakers and/or topics. The Institution reserves the right to alter or modify the advertised speakers and/or topics if necessary without any liability to you whatsoever. Any substitutions or alterations will be updated on the event's webpage as soon as possible.

LIABILITY

The organisers do not accept liability for any injuries or losses of any nature incurred by delegates and/or accompanying persons, nor for loss or damage to their luggage and/or personal belongings.

CONFERENCE VENUE

Aston University
Aston Triangle
Birmingham
B4 7ET

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OTHER EVENTS TO LOOK FOR



RELIABILITY AND ASSET MANAGEMENT

27 April 2016, Institution of Mechanical Engineers, One Birdcage Walk, London

Identify key case studies in which reliability has been managed successfully and how this can be transferred and applied for different products and systems.

www.imeche.org/assetmanagement



HYDROGEN: A FUEL FOR TRANSPORT AND ENERGY STORAGE

1 June 2016, Institution of Mechanical Engineers, One Birdcage Walk, London

With hydrogen projects gathering pace across the transport sector and beyond, leading industry figures will analyse barriers and opportunities, determining the future scope for hydrogen.

www.imeche.org/hydrogen2016

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